TABLE C2					
Individual Anima	l Tumor Pathol	ogy of Male Mic	e in the 2-Year	Inhalation Study of	Talc: 6 mg/m³ (continued)

	_	_	_																						
7 3 6	7 3 6	7 3 7	7 3 7	7 3 7	7 3 7	7 3 7	7 3 7	7 3 7	7 3 8	7 3 8	7 3 8	7 3 8	7 3 8	7 3 8	7 3 9	7 3 9	7 3 9	7 4 0	7 4 0	7 4 0	7 4 0	7 4 0	7 4 0		
0 1 0 1	0 1 4	0 3 3 1	0 3 6 1	0 6 4 1	0 6 5	0 6 6 1	0 7 1	7 2	0 9 3 1	0 9 5	0 9 6 1	0 9 9	1 0 1	0 5	1 2 7 1	1 3 5 1	1 5 5 1	0 3 2 1	0 9 2 1	1 2 4 1	1 2 5 1	5	6 2		Total Tissues Tumors
			_				-	-	_				_				_						_	· · · · · ·	
+	+	+	+	+	4	+	+	+	+	4	+	4	+	+	+	+	+	+	+	+	+	+	+		46
+	÷	+	+	+	+	ī	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+		29
· •	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		38
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		35
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		38
+	+	+	ī	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	М	+	+	+	M	ī	32
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		34
+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		30
+	+	+	+	+	+	+.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	,	32
					X																				1
+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	М	۱ +		31
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		47
	X																								5
X								X											X	X	X				8
															х										1
. +	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+		39
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		46
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		43
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		41
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		43
														+						+					3
															-					_			_		
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+		46
			•					_		-											_				-
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		46
									X																1
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		46
										X															1
+	+	+	+	+	+	+	+	+		-	+	+	М	+	+	+	+	+	+	+	+	M	+		39
I			I	+	I		I			I				I	+	+	+			+	I	+	+		20
M	М	M	+	+	I	М	I	M	+	М	+							+	M	+	+	+	+		21
_	-	_	4	-	_	_		_				+	_	_	_	M	_	+	+	_		_	+		44
-	•	•	•	_	т	~	Τ.	т	т	+	•	т		7	-		•	•	•	~	_	•	_		
•	•	•	•	т	т.	7	т	Τ	_	+	•	т	X	7	т	•••	•	•	7	_	_	•	_		2
	3 6 0 1 1 0 1 1 + + + + + + + + + + + + + +	3 3 6 6 6 0 0 1 1 1 0 4 4 1 1 1 + + + + + + + + + + + + + + +	3 3 3 6 6 7 0 0 0 0 1 1 3 0 4 3 1 1 1 1 + + + + + + + + + + + + + + +	3 3 3 3 3 6 6 7 7 0 0 0 0 0 1 1 3 3 0 4 3 6 1 1 1 1 1 + + + + + + + + + + + + + +	3 3 3 3 3 3 3 6 6 7 7 7 0 0 0 0 0 0 1 1 3 3 6 0 4 3 6 4 1 1 1 1 1 1 1 + + + + + + + + + + + +	3 3 3 3 3 3 3 3 3 6 6 7 7 7 7 7 7 7 7 7	3 3 3 3 3 3 3 3 3 3 6 6 7 7 7 7 7 7 7 7	3 3 3 3 3 3 3 3 3 3 3 3 6 6 7 7 7 7 7 7	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

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	2	2	3	4	5	5	5	5	5	5	6	6	6	6	6	_	7		7	7	7	7	7		
Number of Days on Study			4		6		5 8	4	0	1	4	6	3	1	5	8	0	9	2	3 6	6				
		1	_	_	_	1	_	1.	_	1	_	_	0	1	<u> </u>	_	_	_	1	0	_		n		_
Carcass ID Number	3	3		0									3									0			
													8 1									5			
General Body System					_			_											-	_	_				_
Tusue NOS	+	+	+														_								
ienital System																									
Epididymis	Α		+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+		
Preputial gland		+								+												+			
Prostate				A		Ā	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Seminal vesicle Testes		+		A +		A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+		
iematopoietic System					_							_													
Bone marrow	+	+	+	+	Α	Α	+	Α	Α	Α	+	+	+	+	+	+	+	+	+	+	+	+	+		
Lymph node	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+		
Lymph node, bronchial	+	+	+	+	M	+	I	+	+	+	+	+	+	+	+	M	+	+	+	+	+	M	+		
Lymph node, mandibular																							M		
Lymph node, mediastinal																							M		
Lymph node, mesenteric													M							+	+	M	+		
Spleen													+							+	+	+	+		
Thymus	A	M	М	M	+	+	+	I	+	+	M	+	M	+	Ĭ	М	+	+	+	+	+	+	+		
ntegumentary System		-																							
Mammary gland																							M		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Iusculoskeletal System																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
ervous System																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	•	
espiratory System																									
Larynx	A	+	+	A	+	A	A	+	+	+	+	+	A	+	+	+	+	+	+	+	Ī	+	+		
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Alveolar/bronchiolar adenoma																				X					
Alveolar/bronchiolar carcinoma Hepatocellular carcinoma, metastatic, liver							Х											x							
Nose	_	_	+	+	+	A		+	+	_	+	_	+	+	+	+	_	^	_	+	_		_		
Traches	7	_			_	Ċ		~	7	7	7	_	7	~	_	7	+		+	+	+	-	+		

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Lesions in Male Mice			•																							C-1
TABLE C2 Individual Animal Tumor Pathology (of Ma	le	Mi	ce	in	the	e 2	-Ye	ear	Ir	ıha	lat	ior	ı S	tud	jy ·	oſ	Ta	ıl c	6	m	2/11	ı³ (con	inued)	
Name of Days on Study	•	•	7	7	7	7	7 .3	7	7	7	7	7	7	7	7 3	7	7	7	7	7	7	7	7	7		
Number of Days on Study				7	7	7		7	_		8	8	8				9	9	ō	ō	ō	ō	ō	ō		
Carcass ID Number	_	0	0	0	0	0	0	0 7	0 7	0	0 9	0 9	0	1	-	1 2	1 3	_	0			1 2		1 6		Total
Carcass 1D Number	0	4	3	6	4	5	6 1	1	2	9 3 1	5	6	9	1	5	7	5	5		2	4	5	8	2		Tissues Tumor
General Body System Tissue NOS									13.5							-										3
Genital System		_											,						,	,						20
Epididymis P rep utial gland	M	+	+	+	+	+	+	M	+	+	+	+	1	+	+	+	+	ï	1	+	+	+	1	+		. 39 6
Prostate		_	_	_		_	_	_	_	_	_	_	_	_	_	_	_	+	_	+	_	_	_	_		43
Seminal vesicle	I		Ι	Ι	Ι	Ι	Ι	Ι	Ι	Ξ	Ι	Ι	Ι	+	+	Ι	Ŧ	Ξ	I	Ι		I		+		43
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		44
Hematopoietic System											-		-													
Bone marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		42
Lymph node	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		46
Lymph node, bronchial	+	+	+	+	M	+	+		+	+	+	+	M	-	+	-			+		+	+		M		39
Lymph node, mandibular	+		+			+								+												23
Lymph node, mediastinal	M	M.	M	+						M		+	M											+		10
Lymph node, mesenteric	+	+	+	+		+	-		-	+	+	+		+			+		+		+			+		39
Spicen Thymus	+	+	+	+	+ I	+	-	+	M	++	† I		+	-	•		+	+	+	•	•	+	•	+ I		44 33
Integumentary System					_	_		_			_											_				
Mammary gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	M	M	M		5
Skin	+	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+		45
Musculoskeletal System Bone			_	_	_	_				_	_	_			_		_									47
DOILE		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_		_	+		4/
Nervous System Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		47
Respiratory System				_			-			_				_					_							
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		41
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		47
Alveolar/bronchiolar adenoma		X						X						X												4
Alveolar/bronchiolar carcinoma Hepatocellular carcinoma, metastatic,														X												2
liver																								_		1
Nose Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		46
1 1 a C 1 C 8	+	~	_	+	+	7	7	7	_	~	-	7	141	~	~	~	~	~	-	+	+	+	+	+		43

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TABLE C2 Individual Animal Tumor Pathology	of M	Iale	. N	lic	æi	in	the	: 2	-Ye	ear	I	ahs	ala	tio	n S	Stu	dу	of	T	ılc	: 6	10 0	g/n	n³	(continued)
Number of Days on Study		2 5 3	-	•	_	•	5 5 0	•	-	5 9 0	-	_	_	6 3 3	6 8 1			7 1 0				7 3 6			3
Carcass ID Number		0 3 5	1 3 3	0 4 2 1	7	•	1 6 4 1	-	•	•	1 2 9 1	0 4 1	0 7 4 1	0 3 8 1	1 5 7 1	1 0 0	-	0 1 5	_	2	1	0 0 4 1	0 0 5 1	8)
Special Senses System None																									
Urinary System Kidney Urinary bladder		+ A	+	+	+ A		A A	-	-	++	++	++	++	+ A	++	+ A	++	+ A	++	++	++	+	+		+
Systemic Lesions Multiple organs Lymphoma malignant lymphocytic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+ X	+	+		-

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Lesions in Male Mice																										C-17
TABLE C2 Individual Animal Tumor Pathology	of Ma	le i	Mi	ce	in	the	e 2	~Y	ear	· Iı	ìha	ıla	tio	n S	Stu	dy	of	Te	ılc:	6	m	g/m	a³ ((con	tinued)	
Number of Days on Study	7 3 6	7 3 6	7 3 7	7 3 7	7 3 7	7 3 7	7 3 7	7 3 7	7 3 7	7 3 8	7 3 8	7 3 8	7 3 8	7 3 8	7 3 8	7 3 9	7 3 9	7 3 9	7 4 0	7 4 0	7 4 0	7 4 0	7 4 0	7 4 0		
Carcass ID Number	0 1 0	0 1 4 1	0 3 3 1	0 3 6 1	0 6 4 1	0 6 5 1	0 6 6 1	0 7 1	0 7 2 1	0 9 3 1	0 9 5 1	0 9 6 1	0 9 9	1 0 1	1 0 5 1	1 2 7 1	1 3 5 1	1 5 5	0 3 2 1	0 9 2	1 2 4 1	1 2 5 1	1 5 8 1	1 6 2 1		Total Tissues/ Tumors
Special Senses System None			_					4.				-		700 \$		•				_						
Urinary System Kidney Urinary bladder	+	++	+	++	++	++	++	+	++	++	++	++	++	+	++	++	++	++	++	+ M	++	++	++	++		46 38
Systemic Lesions Multiple organs Lymphoma malignant lymphocytic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		47

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	0	1	1	1	4	4	4	4	5	5	5	6	6	7	7	7	7	7	7	7	7	7		7		
Number of Days on Study	2 8	1 4	5	5 9	2	3 8		7 8	3 8	1	5 4	5 B	7 2	1	2 4	2 5	2 7	3 6	3 6	3 6	3 6	3 6	3 6	3 6		
	1	-	1	_	_	1	2	2	1	2	2	2	2	2	2	3	3	_	-	-	-	-	2			
Carcass ID Number	8 7 1	8 3 1	9 5 1	1 0 1	5		_	1 9 1	5	7 7 1	9		1	8 2 1	•	0 6 1			9	2		1	3	4		
limentary System			_			_				_			_							_	_		_		-	
Esophagus	M	+	+	+	+	M	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+		
Gallbladder	M	A	. A	Α															+	+	+	+	+	+		
Intestine large	A	. +	+				+												+	+	+	+	+	+		
Intestine large, cecum	A	+	+				+												+	+	+	+	+	+		
Intestine large, colon				A															+	+	+	+	+	+		
Intestine large, rectum				+ A					_						-					+	+	+	+	+		
Intestine small Intestine small, duodenum				A																	+	Ξ	I	Ι		
Intestine small, decenum				A															+	+	+	+	+	1		
Intestine small, jejunum				A																+	+	÷	+	<u>.</u>		
Liver	+			+													+	+	+	+	+	+	+	+		
Hemangiosarcoma	•	·		•	••	·	•	•		·	•		•		•		•		-				X			
Hepatocellular carcinoma						X	X		X	X	X	X									X					
Hepatocellular adenoma												•	×		-				х	х						
Pancreas	+	+	+	+	A	+	+	+	M	Α	A	Α	+	Α	+	+	+	+	+	+	+	+	I	+		
Salivary glands	+	+	+	+	Α	+	+		+				+	+	+	+	+	+	+	+	+	+	+	+		
Stomach	+	+	+	+	Α	+	+						+	+	+	+	+	+	+	+	+	+	+	+		
Stomach, forestomach	+	+	+	+	Ă	+	+		+					+	+	+	+	+	+	+	+	+	+	+		
Stomach, glandular	+	+	_	_	_	+	+	+	_	<u> </u>	<u> </u>	Α	+	_	+	+	A 	+	+	_	+	<u>+</u>	_	+		
ardiovascular System																										
Heart Alveolar/bronchiolar carcinoma,	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
metastatic, lung						x																				
ndocrine System				-																					•	
Adrenal gland	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+		
Spindle cell, adenoma														,			X				,				•	
Adrenal gland, cortex Adenoma	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+		
Adenoma Adrenal gland, medulia		4	ī	_	A	_	_	_	м	м	A	_	_	_	+	+	_	_	_	_	_	_	_	+		
Islets, pancreatic	1	Ī	+	+	À	+			M					Ā	+	+	+	ī	ī	ī	M	+	I	i		
Parathyroid gland	+	+	+	+	A	М	M								+			+						M		
Pituitary gland	+	+	+	+	Α	+									+			+	+	+	+	+	+	+		
Thyroid gland Follicular cell, adenoma	+	+	+	+	A	1	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+		
eneral Body System							·								••• <u>••</u> •	_		_		_						
Tissue NOS															+											
Hemangioma																										
Hemangiosarcoma, metastatic, spleen															Х											

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TABLE C2			
Individual Animal Tumor Pathology	of Male Mice in the 2-Y	ear Inhalation Study	of Talc: 18 mg/m³ (continued)

		_	_	_							_															
Number of Days on Study	:	7 7 7 7 7 7 7	3	3	3	3	7 3 7	7 3 8	7 3 8	7 3 8	7 3 8	7 3 8	7 3 9	7 3 9	7 3 9	7 3 9	7 3 9	7 3 9	7 3 9	7 4 0	7 4 0	7 4 0	7 4 0	7 4 0	7 4 0	
Carcass ID Number		2 2 2 2 3 4	2	8	5	5 1	2 5 2 1	2 7 9 1	2 8 4 1	0 3	3 0 4 1	0 8	3 3 2 1	3	3 4	3 3 7	3 3 8 1	3	3 4 5	2 1 7	2 5 3 1	2 5 5	3 0 7 1	-	1 3	Total Tissues/ Tumors
Alimentary System			_				-							_										_		
Esophagus		+ +	١.	- 4	. +	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Galibiadder		+ +		- 4		. +	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1	+	+	+	35
Intestine large		+ +	١.	- 4	- 4	. +	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	40
Intestine large, cecum		+ +	٠ -	- +	- +	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	37
Intestine large, colon		+ +	٠ -	- 4	. 4	. +	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
Intestine large, rectum	1	M I	4	+	- +	+	М	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	31
Intestine small		+ +	٠ 4	- 4	. 4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3 6
Intestine small, duodenum		+ +	١ ٠	- +	- +	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	34
Intestine small, ileum		+ +	٠ 4	- +	- +	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	35
Intestine small, jejunum	•	+ +	١ ٠	- +	- +	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3 6
Liver		+ +	+ +	- +	- +	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Hemangiosarcoma																										1
Hepatocellular carcinoma				X	X	:		X																X		11
Hepatocellular adenoma																								X		4
Pancreas		+ +	١ ٦	- +	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Salivary glands		+ +	٠ ٠	- +	- +	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Stomach		+ +	+ +	+ +	- +	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Stomach, forestomach		+ +	۱ ۱	- +	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.+	46
Stomach, glandular	•	+ +	+ 4	- +	- +	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Cardiovascular System									_												-		***			
Heart		+ +	٠ ٦	- +	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Alveolar/bronchiolar carcinoma,																										
metastatic, lung																										1
Endocrine System					_								-					-						_		
Adrenal gland		+ 4	٠.			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Spindle cell, adenoma				•	•	•	,	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	i
Adrenal gland, cortex		+ +	٠ -		. +	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adenoma					ĺ	•														X						1
Adrenal gland, medulla		+ +	٠ -	- 4	- +	+	+	+	М	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	42
Islets, pancreatic		+ I	4	- +	- +	+	М	М	M	М	+	1	+	+	+	+	I	M	+	Ī	+	+	Ī	1	+	24
Parathyroid gland		+ +	٠ ٠	- 4	- N	(+	M	M	+	M	M	M	+	M	+	+	+	M	+	+	+	M	M	M	+	26
Pituitary gland		+ +		- +	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Thyroid gland		+ +		- +	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	45
Follicular cell, adenoma													X									X				2
Constant Poly Control							_																			
Jeneral Body System																										
Tissue NOS																									+	2
General Body System Tissue NOS Hemangioma																									+ X	2 1

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	_	-	1	-									6												
Number of Days on Study	2 8	_	1 5	-	2	3 8	5 7	-	3 8				7 2		4	2 5	7	3 6		3 6	3 6	3 6	3 6	3 6	
	1	1	1	3	2	1	2	2	1	 2	2	2	2	2	2	3	3	1	1	1	1	2	2	2	
Carcass ID Number	8	8	9	1	8	8	2	1	8	7			4				4	8	8	9	9	1	1	1	
	7	_	5 1		5 1		_		5				1									1			
enital System																				_	_		_		
Epididymis	+	+	+	+	Α	+	+	+	+	+	M	+	+	Α	+	+	+	+	+	+	M	+	+	+	
Preputial gland		+	+	+			+																		
Prostate			M										+		+	•	+	+	+	+	+	+	+	+	
Seminal vesicle Testes	+		+ +														+	+	+	+	+	+	+	+	
lematopoletic System												-				_									
Bone marrow	+	+	+	+	Α	Α	+	+	Α	Α	Α	Α	+	+	+	+	+	+	+	+	+	+	+	+	
Lymph node	+	+	+	+							M		+	+	+	+	+	+	+	+	+	+	+	+	
Lymph node, bronchial Alveolar/bronchiolar carcinoma,	+	+	M	M	Α	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	
metastatic, lung			_			X																			
Lymph node, mandibular Hemangiosarcoma, metastatic, spleen	M	I	1	+	A	M	+	M	+	M	M	M	M	M	+ X	+	+	+	+	+	М	M	M	M	
Lymph node, mediastinal	M	M	.	м	м	м	м	м	M	м	м	м	_	м		м	м	_	м	м	м	м	м	M	
Lymph node, mesenteric			+																		+	+	+	+	
Hemangiosarcoma, metastatic, spicen	•						•		•	•	•	•	•		x			•		-	·				
Spleen	+	+	+	+	Α	+	+	+	+	+	Α	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemangiosarcoma													Х		X										
Thymus	+	M	+	M	M	+	+	+	+	+	Α	+	M	+	+	+	+	+	+	+	M	+	+	+	
Alveolar/bronchiolar carcinoma, metastatic, lung						x																			
ntegumentary System					-																				
Mammary gland Skin	1 +	I +	M +	M +	M +	M +	М +						М +											M +	
Installated Contan														_		_						_	_		
iusculoskeletal System Bone	4	+	4	4	_	+	4	_	4	_	_	_	_	_	+	_	_	_	_	_	_	_	_	_	
Hemangiosarcoma, metastatic, spleen Skeletal muscle	7	~	7	Τ	Τ.	+	т	т	•	_	7	_	_	+	X	_	+	_	_	_	~	Τ	~	r ,	
Thoracic, alveolar/bronchiolar carcinoma, metastatic, lung						x																			
ervous System		_						_	-	_		_									_				
lervous System Brain	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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Lesions in Male Mice			•																							C-2
TABLE C2 Individual Animal Tumor Pathology o	f Mal	le I	Mic	ce !	in	the	e 2	-Ye	ar	lr	ha	lat	ior	ı S	tuc	dy	of	Ta	lc:	18	n	1g /1	m³	(∞	ntint	ied)
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	-
Number of Days on Study	3 7	3 7	3 7	3 7	3 7	3 7	3 7	-	3 8				3 9				3 9	3 9	3 9	0	4 0	0	4 0	0	0	
	_	2	2	2	2	2	2		2	3	_	3	3	_		3	3	3	3	2		2	3	_	3	
Carcass ID Number	2	2	4	4	5	5	5	7	8	0	-	0	3	3		3	3	3	4	1		5	0	1	_	Total
	3 1	1	1	8	1	1	1	9	1	-	1	8	1	1		7	8		5	7	-	5	7	1		Tissues. Tumors
Genital System					-			_																		
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	M	+	+	+	+	M	+	42
Preputial gland						+					+						+	+								8 44
Prostate Serios Louring	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Ŧ	+	+	Ŧ	Ţ	T	+	+	T	+	Ι	39
Seminal vesicle Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Hematopoietic System				_			_		_	_				_				_	-							
Bone marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Lymph node	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymph node, bronchial Alveolar/bronchiolar carcinoma, metastatic, lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	44 1
Lymph node, mandibular	+	м	1	м	+	м	+	+	м	м	м	+	+	м	+	м	м	+	м	м	+	м	м	м	+	19
Hemangiosarcoma, metastatic, spleen	•	•••	•	•••	•	•••	•	•	•••	•••	•••	•	•	***	,	•••	•••	•	•••		·	••	•••		•	1
Lymph node, mediastinal	+	M	M	M	M	M	М	+	M	М	М	M	М	M	M	+	М	M	М	М	+	М	M	M	M	7
Lymph node, mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		M				+		+	40
Hemangiosarcoma, metastatic, spleen																										1
Spiecn	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Hemangiosarcoma																										2
Thymus Alveolar/bronchiolar carcinoma,	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	I	+	+	+	+	+	+	+	40
metastatic, lung																										1
Integumentary System						-								-												_
Mammary gland Skin	+	M +	I +	M +	+	+	+	+					+							M +	M +	+	M +	+	M +	8 48
Musculoskeletal System		_					_					_								_						
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Hemangiosarcoma, metastatic, spleen																										1
Skeletal muscie Thoracic, alveolar/bronchiolar																										1
carcinoma, metastatic, lung																										1
Nervous System Brain			_	_	_		_			_	_	_	_			_		_						_		48

C-22 Talc, NTP TR 421

TABLE C2 Individual Animal Tumor Pathology of	Ma	le :	Mi	œ	in	the	2	-Ye	ar	In	ha	lat	ior	ı S	tud	ly ·	of '	Ta	lc:	18		1 g /1	m³	(continued)
Number of Days on Study	0 2 8	1 1 4	1 1 5	1 5 9	4 2 2	4 3 8	4. 5 7	4 7 8	5 3 8	5 4 1	5 5 4	6 5 8	6 .7 2	7 2 1	7 2 4	7 2 5	7 2 7	7 3 6	7 3 6	7 3 6	7 3 6	7 3 6	-	7 3 6	
Carcass ID Number	1 8 7 1	1 8 3 1	1 9 5 1	3 1 0 1	2 8 5 1	1 8 6 1	2 2 1	2 1 9	1 8 5 1	2 7 7 1	2 4 9	2 8 3 1	2 4 1	2 8 2 1	2 1 5	3 0 6 1	3 4 3 1	1 8 4 1	1 8 9 1	1 9 2 1	1 9 3 1	2 1 1	1	2 1 4 1	
Respiratory System Larynx Lung Alveolar/bronchiolar adenoma Alveolar/bronchiolar adenoma, multiple Alveolar/bronchiolar carcinoma Hemangiosarcoma, metastatic, spleen	+	+	+	+	A	+ + x	+ +	++	++	++	A +	++	+ + X	A +	+ +	++	+ + x	+ + x	+ + X	++	+	++	+	+	
Hepatocellular carcinoma, metastatic, liver Nose Traches	+	++	++	++	A A	++	++	+ A	++	X + +	A	X + M	++	+ A	++	+	+	+	++	++	++	++	+	+	
pecial Senses System Harderian gland Adenoma																+ x				+ X					
Frinary System Kidney Urinary bladder	+	++	++	+	+ A	++	+	+	++	++	A A	+ A	++	+ A	+ A	++	+ A	++	++	++	++	++	+	+ +	_
Systemic Lesions Multiple organs	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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Lesions in Male Mice																												C-2:
TABLE C2 Individual Animal Tumor Pathology o	f M	ale	N	ſic	e i	in	the	e 2	-Y	ca.	r I	nh	ala	tio	n S	Stu	фy	of	Ta	alc:	11	8 10	ng/	m)	(a	ontir	nued)	·
Number of Days on Study	:	7 · 3 :	3	7 3 7	7 3 7	7 3 7	7 3 7	7 3 7	7 3 8	7 3 8	7 3 8	•	_	7 3 9	7 3 9	7 3 9	7 3 9	7 3 9	7 3 9	7 3 9	7 4 0	7 4 0	7 4 0	7 4 0	7 4 0	7 4 0		
Carcass ID Number		2 :	2 2 4 1	2 4 2 1	2 4 8 1	2 5 0 1	2 5 1	2 5 2 1	2 7 9 1	2 8 4 1	3 0 3 1	3 0 4 1	3 0 8 1	3 3 2 1	3 3 3	3 3 4 1	3 7 1	3 3 8 1	3 3 9 1	3 4 5 1	2 1 7 1	2 5 3 1	2 5 5 1	3 0 7 1	1	3 1 3 1		Total Tissues Tumors
Respiratory System Laryax Lung Alveolar/bronchiolar adenoma Alveolar/bronchiolar adenoma, multiple Alveolar/bronchiolar carcinoma Hemangiosarcoma, metastatic, spleen		+	+	++	+ + X	+	+	++	+	+	+	+ + X	+	+	+	++	+	+ + X	++	+ + X	++	+ + X	++	+	+ + X	++		46 48 7 2 2
Hepatocellular carcinoma, metastatic, liver Nose Traches		+ -	+	+	+	+	+ I	+	+	+ M	+	· +	- +	+	+	+	+	+	++	+	++	++	+	+	+	+		2 47 42
Special Senses System Harderian gland Adenoma							+ X									-							• • •					4
Urinary System Kidney Urinary bladder	,	+ -	+	+	++	++	++	++	++	+	+	. +	+	+	++	++	++	+	+	+	++	+	+	+	+	++		48 43
Systemic Lesions										-						-						_		_	_			

Multiple organs

C-24 Talc, NTP TR 421

TABLE C3
Statistical Analysis of Primary Neoplasms in Male Mice in the 2-Year Inhalation Study of Talc

	0 mg/m ³	6 mg/m ³	18 mg/m ³
Harderian Gland: Adenoma			
Overall rates ^a	1/46 (2%)	0/47 (0%)	4/49 (8%)
Adjusted rates ^b	3.3%	0.0%	12.0%
Terminal rates ^c	1/30 (3%)	0/28 (0%)	3/32 (9%)
First incidence (days)	736 (T)		725
ife table tests	P=0.073	P=0.514N	P=0.204
ogistic regression tests ^d	P=0.075	P=0.514N	P=0.216
Cochran-Armitage test ^d	P=0.065		1 – 0.2.10
isher exact test ^d .	1 — U.OO.	P=0.495N	P=0.201
.iver: Hepatocellular Adenoma			
Overall rates	3/45 (7%)	9/47 (19%)	4/48 (8%)
adjusted rates	10.0%	29.5%	11.8%
erminal rates	3/30 (10%)	7/28 (25%)	3/32 (9%)
irst incidence (days)	736 (T)	633	672
ife table tests	P=0.489N	P=0.050	P=0.539
ogistic regression tests	P=0.493N	P = 0.061	P=0.552
Ochran-Armitage test	P=0.515N		
isher exact test		P=0.070	P=0.536
iver: Hepatocellular Carcinoma			
Overall rates	6/45 (13%)	5/47 (11%)	11/48 (23%)
djusted rates	16.7%	13.7%	27.3%
erminal rates .	2/30 (7%)	1/28 (4%)	5/32 (16%)
irst incidence (days)	571	546 `	438
ife table tests	P=0.114	P=0.491N	P=0.187
ogistic regression tests	P=0.116	P=0.445N	P = 0.203
ochran-Armitage test	P=0.097		
isher exact test		P=0.469N	P=0.177
iver: Hepatocellular Adenoma or Carcinoma			
verall rates	9/45 (20%)	13/47 (28%)	14/48 (29%)
djusted rates	25.6%	38.1%	34.5%
erminal rates	5/30 (17%)	8/28 (29%)	7/32 (22%)
rst incidence (days)	571	546	438
fe table tests	P=0.256	P=0.228	P = 0.230
ogistic regression tests	P = 0.216	P=0.257	P=0.223
ochran-Armitage test	P=0.225		
sher exact test		P=0.269	P=0.217
ung: Alveolar/bronchiolar Adenoma		1	
verall rates	6/45 (13%)	4/47 (9%)	9/48 (19%)
djusted rates	20.0%	14.3%	27.0%
erminal rates	6/30 (20%)	4/28 (14%)	8/32 (25%)
rst incidence (days)	736 (T)	736 (T)	672
le table tests	P = 0.224	P=0.411N	P=0.333
ogistic regression tests	P=0.251	P = 0.411N	P = 0.371
ochran-Armitage test	P = 0.210		
sher exact test		P=0.342N	P=0.336

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TABLE C3
Statistical Analysis of Primary Neoplasms in Male Mice in the 2-Year Inhalation Study of Talc (continued)

	0 mg/m ³	6 mg/m ³	18 mg/m ³
Lung: Alveolar/bronchiolar Carcinoma		<u></u>	
Overall rates	7/45 (16%)	2/47 (4%)	2/48 (4%)
Adjusted rates	23.3%	5.9%	5.2%
Terminal rates	7/30 (23%)	1/28 (4%)	0/32 (0%)
First incidence (days)	736 (T)	558	438
Life table tests	P=0.068N	P=0.093N	P=0.068N
Logistic regression tests	P=0.069N	P=0.073N	P=0.070N
Cochran-Armitage test	P=0.065N		0.070.1
Fisher exact test		P=0.069N	P≃0.065N
Lung: Alveolar/bronchiolar Adenoma or Carcino	ma		
Overall rates	12/45 (27%)	5/47 (11%)	11/48 (23%)
Adjusted rates	40.0%	16.4%	30.8%
Terminal rates	12/30 (40%)	4/28 (14%)	8/32 (25%)
First incidence (days)	736 (T)	558	438
Life table tests	P=0.533N	P=0.063N	P=0.426N
Logistic regression tests	P=0.552N	P=0.043N	P=0.423N
Cochran-Armitage test	P=0.554N		
Fisher exact test		P=0.043N	P = 0.429N
Pituitary Gland (Pars Intermedia): Adenoma			
Overall rates	0/44 (0%)	2/44 (5%)	0/46 (0%)
Adjusted rates	0.0%	6.5 <i>%</i> ે	0.0%`
Terminal rates	0/29 (0%)	1/27 (4%)	0/32 (0%)
First incidence (days)	-	681	-, ` ´
Life table tests	P=0.547N	P=0.238	_f
Logistic regression tests	P=0.566N	P=0.239	-
Cochran-Armitage test	P=0.564N		
Fisher exact test		P=0.247	-
Spleen: Hemangiosarcoma			
Overall rates	2/44 (5%)	0/44 (0%)	2/47 (4%)
Adjusted rates	6.9%	0.0%	5.5%
Terminal rates	2/2 9 (7%)	0/28 (0%)	0/32 (0%)
First incidence (days)	736 (T)	-	672
Life table tests	P=0.595	P=0.246N	P = 0.650N
ogistic regression tests	P=0.581	P = 0.246N	P = 0.668N
Cochran-Armitage test Fisher exact test	P=0.577	P=0.247N	P=0.666N
		· · · · · · · · · · · · · · · · · · ·	* - **********************************
All Organs: Hemangiosarcoma			
Overall rates	4/46 (9%)	0/47 (0%)	3/49 (6%)
Adjusted rates	12.9%	0.0%	8.4%
Terminal rates	3/30 (10%)	0/28 (0%)	1/32 (3%)
First incidence (days)	710	-	672
ife table tests	P=0.529N	P=0.071N	P=0.448N
ogistic regression tests	P=0.545N	P=0.060N	P=0.456N
Cochran-Armitage test	P=0.554N		
Fisher exact test		P=0.056N	P=0.464N

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TABLE C3
Statistical Analysis of Primary Neoplasms in Male Mice in the 2-Year Inhalation Study of Talc (continued)

	0 mg/m ³	6 mg/m ³	18 mg/m ³
All Organs: Hemangioma or Hemangiosar	COMA		
Overall rates	4/46 (9%)	0/47 (0%)	4/49 (8%)
Adjusted rates	12.9%	0.0%	11.4%
Cerminal rates	3/30 (10%)	0.0%	2/32 (6%)
First incidence (days)	710	0,28 (0,0)	672
ife table tests	P=0.515	P=0.071N	P=0.590N
ogistic regression tests	P=0.505	P=0.060N	P=0.598N
Cochran-Armitage test	P=0.492	F=0.000N	r =0.33614
isher exact test	1 =0.492	P=0.056N	P = 0.607N
ll Organs: Malignant Lymphoma (Lymph	ocytic, Mixed, or Undifferentiated	Cell Type)	
verall rates	5/46 (11%)	1/47 (2%)	0/49 (0%)
djusted rates	16.7%	3.6%	0.0%
erminal rates	5/30 (17%)	1/28 (4%)	0/32 (0%)
irst incidence (days)	736 (T)	736 (T)	_
ife table tests	P=0.019N	P=0.116N	P=0.027N
ogistic regression tests	P=0.019N	P=0.116N	P=0.027N
ochran-Armitage test	P=0.020N		. 0.02
isher exact test	,	P=0.097N	P=0.024N
ll Organs: Benign Tumors			
verali rates	11/46 (24%)	16/47 (34%)	18/49 (37%)
djusted rates	35.2%	51.1%	51.4%
erminal rates	10/30 (33%)	13/28 (46%)	15/32 (47%)
irst incidence (days)	587	633	672
fe table tests	P=0.158	P=0.135	P=0.127
ogistic regression tests	P=0.154	P=0.188	P = 0.138
ochran-Armitage test	P=0.139		
isher exact test		P = 0.199	P=0.128
ll Organs: Malignant Tumors			
verall rates	20/46 (43%)	8/47 (17%)	15/49 (31%)
djusted rates	58.3%	23.3%	35.9%
erminal rates	16/30 (53%)	4/28 (14%)	6/32 (19%)
rst incidence (days)	571	546	438
fe table tests	P=0.253N	P = 0.012N	P = 0.166N
ogistic regression tests	P=0.262N	P = 0.005N	P=0.152N
ochran-Armitage test sher exact test	P=0.245N	B-0 ooest	D 44001
		P=0.005N	P=0.139N
ll Organs: Benign or Malignant Tumors verall rates	26/46 (57%)	20 <i>187 (439</i> 5)	29/40 (570%)
djusted rates	76.2%	20/47 (43%) 58.0%	28/49 (57%)
erminal rates			66.5%
rst incidence (days)	22/3 0 (73%) 571	14/28 (50%) 546	18/32 (56%)
fe table tests	3/1 P=0.442		438 P=0.554
ogistic regression tests	P=0.344	P=0.208N	P=0.554
ochran-Armitage test	P=0.399	P=0.102N	P=0.503
sher exact test	r = v.377	P-0 127N	D_0.660
year would bed!		P=0.127N	P=0.558

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TABLE C3

Statistical Analysis of Primary Neoplasms in Male Mice in the 2-Year Inhalation Study of Talc (continued)

(T)Terminal sacrifice

b Kaplan-Meier estimated tumor incidence at the end of the study after adjustment for intercurrent mortality

Observed incidence at terminal kill

Not applicable; no tumors in animal group Value of statistic cannot be computed.

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Number of tumor-bearing animals/number of animals examined. Denominator is number of animals examined microscopically for adrenal gland, bone marrow, brain, clitoral gland, epididymis, gallbladder (mouse), heart, kidney, larynx, liver, lung, nose, ovary, pancreas, parathyroid gland, pituitary gland, preputial gland, prostate gland, salivary gland, apleen, testes, thyroid gland, and urinary bladder; for other tissues, denominator is number of animals necropsied.

Beneath the control incidence are the P values associated with the trend test. Beneath the dosed group incidence are the P values corresponding to pairwise comparisons between the controls and that dosed group. The life table analysis regards tumors in animals dying prior to terminal kill as being (directly or indirectly) the cause of death. The logistic regression tests regard these lesions as nonfatal. The Cochran-Armitage and Fisher exact tests compare directly the overall incidence rates. For all tests, a negative trend or a lower incidence in a dose group is indicated by N.

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TABLE C4
Summary of the Incidence of Nonneoplastic Lesions in Male Mice in the 2-Year Inhalation Study of Talc^a

	0 mg/m ³	6 mg/m ³	18 mg/m ³
Disposition Summary			
Disposition Summary	50	50	50
Animals initially in study Early deaths	30	30	50
Moribund	1	2	3
Natural deaths	16	18	14
Survivors	10	10	14
Terminal sacrifice	30	28	32
Missexed	1	1	0
Missing	2	ī	1
Animals examined microscopically	46	47	49
Alimentary System			
Gallbladder	(31)	(29)	(35)
Dilatation	• /	\- /	1 (3%)
Epithelium, hyperplasia, papillary			1 (3%)
ntestine large, cecum	(34)	(35)	(37)
Hyperplasia, lymphoid	• •	1 (3%)	3 (8%)
intestine large, colon	(36)	(38)	(39)
Hyperplasia, lymphoid	ì (3%)	• •	• •
ntestine large, rectum	(32)	(32)	(31)
Scrosa, inflammation, suppurative	•	1 (3%)	
ntestine small, duodenum	(32)	(30)	(34)
Hyperplasia, lymphoid		•	1 (3%)
Mucosa, atrophy	3 (9%)	7 (23%)	3 (9%)
ntestine small, ileum	(33)	(32)	(35)
Hyperplasia, lymphoid	5 (15%)	3 (9%)	5 (14%)
Mucosa, atrophy	3 (9%)	5 (16%)	4 (11%)
Peyer's patch, necrosis	1 (3%)		
ntestine small, jejunum	(32)	(31)	(36)
Hyperplasia, lymphoid	A 4001		1 (3%)
Mucosa, atrophy	3 (9%)	3 (10%)	2 (6%)
Liver	(45)	(47)	(48)
Abscess East callular change	1 (2%)	0.46	1 (2%)
Focal cellular change	4 (9%)	3 (6%)	5 (10%)
Hematocyst	2 (40%)	1 (2%)	
Hematopoietic cell proliferation Infarct	2 (4%)	2 (4%)	
Inflammation, focal	2 (4%)	2 (60%)	1 (20%)
Mineralization, focal		3 (6%) 1 (2%)	1 (2%)
Necrosis, focal	4 (9%)		A (90%)
Pigmentation, hemosiderin, focal	~ (> ~)	5 (11%)	4 (8%) 1 (2%)
Bile duct, hyperplasia, focal			1 (2%)
Serosa, inflammation, suppurative			1 (2%)
Pancreas	(42)	(39)	(42)
Serosa, inflammation, suppurative	()	(57)	1 (2%)
tomach, forestomach	(43)	(41)	(46)
Hyperplasia, squamous, focal	· · - /	1 (2%)	1 (2%)
Cooth		(3)	- (-,0)
Dysplasia		3 (100%)	
Cardiovascular System			
•	(45)	(46)	(40)
leart Thrombosis	(45)	(46)	(49)
Coronary artery, mineralization		1 (2%)	1 (2%)
Myocardium, degeneration, focal	1 (2%)	1 (2%)	
	I (4/V)		

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TABLE C4
Summary of the Incidence of Nonneoplastic Lesions in Male Mice in the 2-Year Inhalation Study of Talc (continued)

	0 mg/m ³	6 mg/m³	18 mg/m ³
Endocrine System			
Adrenal giand	(43)	(46)	(47)
Spindle cell, hyperplasia	38 (88%)	37 (80%)	35 (74%)
Adrenal gland, cortex	(43)	(46)	(47)
Atrophy	1 (2%)	. (10)	()
Hyperplasia, focal	. (5,0)	1 (2%)	
Vacuolization cytoplasmic, focal		3 (7%)	4 (9%)
Parathyroid gland	(25)	(21)	(26)
Cyst	3 (12%)	1 (5%)	(==)
ituitary gland	(44)	(44)	(46)
Cyst	1 (2%)	(44)	1 (2%)
Pigmentation, lipofuscin	1 (2%)		1 (270)
Dryroid gland	(45)	(46)	(45)
Cyst	2 (4%)	1 (2%)	1 (2%)
Follicular cell, hyperplasia	4 (9%)	8 (17%)	8 (18%)
- отполен от пурограми	~ (3 <i>1</i> 0)	<u> </u>	· (10 <i>N</i>)
General Body System None			
Genital System			
Epididymis	(39)	(39)	(42)
Inflammation, suppurative	1 (3%)	1 (3%)	(/
reputial gland	(8)	(6)	(8)
Dilatation	7 (88%)	6 (100%)	8 (100%)
Inflammation	3 (38%)	0 (100%)	1 (13%)
rostate	(40)	(42)	
Inflammation, suppurative		(43) 7 (16%)	(44)
Epithelium, hyperplasia	3 (8%)	` ,	4 (9%)
eminal vesicle	(41)	1 (2%)	(20)
	(41)	(43)	(39)
Inflammation, suppurative	4465	2 (5%)	1 (3%)
cstcs	(43)	(44)	(45)
Aspermatogenesis, diffuse			1 (2%)
Atrophy, diffuse			1 (2%)
Hypospermia	1 (2%)	2 (5%)	
Inflammation, suppurative		1 (2%)	
Seminiferous tubule, degeneration, focal	3 (7%)	4 (9%)	1 (2%)
lematopoietic System			
one marrow	(40)	(42)	(42)
	` '	(42)	(43)
Hyperplasia Manlofiberain	4 (10%)	1 (2%)	1 (2%)
Myclofibrosis Myclofid cell hyperplesis	2 (5%)	2 (5%)	1 /20/
Myeloid cell, hyperplasia	4 (10%)	7 (17%)	1 (2%)
ymph node	(45)	(46)	(48)
Iliac, hyperplasia, lymphoid	1 (2%)		
Iliac, hyperplasia, plasma cell	1 (2%)		
Lumbar, hyperplasia, lymphoid	1 (2%)	1 (2%)	
Lumbar, hyperplasia, plasma cell		1 (2%)	
Pancreatic, inflammation, granulomatous		1 (2%)	4 4000
Renal, depletion lymphoid			1 (2%)
Renal, hyperplasia, lymphoid			1 (2%)

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TABLE C4
Summary of the Incidence of Nonneoplastic Lesions in Male Mice in the 2-Year Inhalation Study of Talc (continued)

	0 mg/m ³	6 mg/m ³	18 mg/m ³
Hematopoietic System (continued)			
Lymph node, bronchial	(32)	(39)	(44)
Abscent	(32)	(37)	1 (2%)
Hyperplasia, histiocytic	1 (3%)	32 (82%)	42 (95%)
Hyperplasia, histocytic, lymphoid	1 (5%)	1 (3%)	42 (2270)
Hyperplasia, lymphoid	3 (9%)	10 (26%)	23 (52%)
Infiltration cellular, mixed cell	· 3 (9%)	1 (3%)	3 (7%)
Inflammation, acute	1 (3%)	1 (3%)	3 (1,72)
Follicular, necrosis	1 (3%)		
ymph node, mandibular	(23)	(23)	(19)
Hyperplasia, histiocytic	(2)	1 (4%)	(17)
Hyperplasia, lymphoid		. (42)	1 (5%)
Follicular, necrosis			1 (5%)
ymph node, mediastinal	(9)	(10)	ල් .
Hyperplasia, histiocytic	1 (11%)	1 (10%)	2 (29%)
Hyperplasia, hymphoid	1 (11 %)	2 (20%)	- (=×~)
ymph node, mesenteric	(36)	(39)	(40)
Depletion lymphoid	1 (3%)	(0)	2 (5%)
Hyperplasia, lymphoid	4 (11%)	3 (8%)	6 (15%)
Infiltration cellular, mixed cell	18 (50%)	20 (51%)	13 (33%)
Inflammation, granulomatous	16 (30%)	. 7 5	13 (33%)
Thrombosis		1 (3%)	1 (3%)
Follicular, necrosis		6 (15%)	2 (5%)
pleen	(44)	(44)	(47)
Hematocyst	(44)	1 (2%)	(47)
Hematopoietic cell proliferation	6 (14%)		10 (21%)
Hyperplasia, lymphoid	3 (7%)	7 (16%) 2 (5%)	3 (6%)
Hyperplasia, mast cell	3 (120)	2 (5%)	1 (2%)
Inflammation, granulomatous		1 (2%)	1 (270)
Lymphoid follicle, depletion lymphoid		2 (5%)	5 (11%)
Lymphoid follicle, necrosis	2 (5%)	5 (11%)	1 (2%)
Trymus	(34)	(33)	(40)
Cyst	3 (9%)	2 (6%)	1 (3%)
Hyperplasia, lymphoid	3 (770)	2 (0%)	1 (3%)
Inflammation, granulomatous		1 (3%)	1 (3%)
Necrosis	1 (20%)	1 (3%)	2 (50%)
	1 (3%)	10 (20%)	2 (5%)
Cortex, depletion lymphoid Epithelial cell, hyperplasia, focal	6 (18%) 1 (3%)	10 (30%)	8 (20%)
еринены сен, пурегрима, госаг	1 (3%)		
ntegumentary System			
kin .	(44)	(45)	(48)
Abscess		1 (2%)	
Alopecia	1 (2%)		1 (2%)
Inflammation, acute		2 (4%)	
Ulcer, focal		2 (4%)	
fusculoskeletal System			
lone	(46)	(47)	(49)
Rib, cartilage, fracture healed	1 (2%)		•
vervous System			
Brain	(46)	(47)	(48)
	37 (80%)		

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